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James McKernan* (jmckernan@math.ucsd.edu), Department of Mathematics, University of California, San Diego (UCSD), 9500 Gilman Drive # 0112, La Jolla, CA 92093-0112. *Symmetries of algebraic varieties.*

It is a natural question to ask what are the most symmetric varieties. We review some old and new results in this area and how these results relate to the birational classification of varieties. (Received February 16, 2016)